

INTERNATIONAL SEARCH REPORT

International Application No
PCT/FR2004/002863

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B60H1/00 F28D20/02 F28D1/053

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B60H F28D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	FR 2 847 973 A (VALEO CLIMATISATION) 4 June 2004 (2004-06-04) the whole document -----	1-28
X	EP 1 221 389 A (BEHR GMBH & CO) 10 July 2002 (2002-07-10) the whole document -----	1-28
A	US 2002/178745 A1 (KAMPF HANS) 5 December 2002 (2002-12-05) the whole document -----	1-28

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

7 June 2005

Date of mailing of the international search report

22/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bain, D

INTERNATIONAL SEARCH REPORT

International Application No
PCT/FR2004/002863

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
FR 2847973	A	04-06-2004	FR	2847973 A1		04-06-2004
			EP	1424531 A2		02-06-2004
			JP	2004184071 A		02-07-2004
			US	2004104020 A1		03-06-2004
<hr/>						
EP 1221389	A	10-07-2002	DE	20115273 U1		08-05-2002
			DE	10156882 A1		29-08-2002
			DE	10156944 A1		11-07-2002
			EP	1221389 A2		10-07-2002
			EP	1221390 A2		10-07-2002
			JP	2002274165 A		25-09-2002
			JP	2002225536 A		14-08-2002
			US	2002088248 A1		11-07-2002
			US	2002088246 A1		11-07-2002
			US	2004093889 A1		20-05-2004
<hr/>						
US 2002178745	A1	05-12-2002	DE	10126221 A1		05-12-2002
			AT	273145 T		15-08-2004
			DE	50200784 D1		16-09-2004
			EP	1262344 A1		04-12-2002
			JP	2002362138 A		18-12-2002